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=> s organohydrogensiloxane? (l) cyclic organohydrogensiloxane?
          157 ORGANOHYDROGENSILOXANE?
       319124 CYCLIC
          350 CYCLICS
       319260 CYCLIC
                 (CYCLIC OR CYCLICS)
          157 ORGANOHYDROGENSILOXANE?
            5 CYCLIC ORGANOHYDROGENSILOXANE?
                 (CYCLIC(W)ORGANOHYDROGENSILOXANE?)
L1          5 ORGANOHYDROGENSILOXANE? (L) CYCLIC ORGANOHYDROGENSILOXANE?

=> s l1 and hydrolyz? (p) water
       236399 HYDROLYZ?
      2530995 WATER
       266067 WATERS
      2588420 WATER
                 (WATER OR WATERS)
        34131 HYDROLYZ? (P) WATER
L2          3 L1 AND HYDROLYZ? (P) WATER

=> s l2 and (sulphonic acid or sufonic acid)
         1563 SULPHONIC
      4365160 ACID
      1572520 ACIDS
      4862906 ACID
                 (ACID OR ACIDS)
         1390 SULPHONIC ACID
                 (SULPHONIC(W)ACID)
            9 SUFONIC
      4365160 ACID
      1572520 ACIDS
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       4862906 ACID
                 (ACID OR ACIDS)
             8 SUFONIC ACID
                 (SUFONIC(W)ACID)
L3           0 L2 AND (SULPHONIC ACID OR SUFONIC ACID)

=> d l1 ibib ab tot

L1   ANSWER 1 OF 5  CAPLUS  COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER:         2005:58217  CAPLUS
DOCUMENT NUMBER:          142:135191
TITLE:                    Process for preparing cyclic
                          organohydrogensiloxanes
INVENTOR(S):              Richard, Taylor; Robert, Phillips
PATENT ASSIGNEE(S):       Dow Corning Corporation, USA
SOURCE:                   PCT Int. Appl., 10 pp.
                          CODEN: PIXXD2
DOCUMENT TYPE:            Patent
LANGUAGE:                 English
FAMILY ACC. NUM. COUNT:   1
PATENT INFORMATION:

     PATENT NO.           KIND   DATE        APPLICATION NO.         DATE
     ---------------      ----   --------    --------------------    --------
     WO 2005005441         A2    20050120    WO 2004-EP7805          20040702
     WO 2005005441         A3    20050407
         W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,
             CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,
             GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
             LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI,
             NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY,
             TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
         RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM,
             AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK,
             EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE,
             SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE,
             SN, TD, TG
     EP 1648907            A2    20060426    EP 2004-763219          20040702
     EP 1648907            B1    20061115
         R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
             IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK
     CN 1820015            A     20060816    CN 2004-80019714        20040702
     BR 2004012505         A     20060919    BR 2004-12505           20040702
     AT 345348             T     20061215    AT 2004-763219          20040702
     US 2006173202         A1    20060803    US 2006-559956          20060309
PRIORITY APPLN. INFO.:                       GB 2003-16268       A   20030711
                                             WO 2004-EP7805      W   20040702
AB   A process for preparing cyclic organohydrogensiloxanes
     comprises: (A) contacting a silane of the formula RHSiCl2, where R is
     selected from alkyl radicals having 1 to 12 carbon atoms and aryl
     radicals, with water to form a hydrolyzate comprising cyclic
     organohydrogensiloxanes and linear organohydrogensiloxanes
     , and (B) contacting the hydrolyzate with an acidic rearrangement catalyst
     in the presence of an inert liquid diluent to increase the ratio of the
     cyclic organohydrogensiloxanes to linear
     organohydrogensiloxanes in the hydrolyzate.  The acidic
     rearrangement catalyst is an organic compound containing a strong acid group,
for
     example a sulfonic acid, which is dissolved in the inert diluent present.
     Thus, cyclic methylhydrogensiloxane was prepared by hydrolyzing
     methyldichlorosilane with water using dodecylbenzenesulfonic acid as an
     acidic rearrangement catalyst.

L1   ANSWER 2 OF 5  CAPLUS  COPYRIGHT 2007 ACS on STN
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ACCESSION NUMBER: 2002:773671 CAPLUS
DOCUMENT NUMBER: 137:279640
TITLE: Process for the production of linear organohydrogensiloxanes
INVENTOR(S): Tolentino, Luisito A.; Khanshab, Akber Ali
PATENT ASSIGNEE(S): General Electric Company, USA
SOURCE: Eur. Pat. Appl., 7 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1247811	A1	20021009	EP 2002-252129	20020325
EP 1247811	B1	20050817		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
US 2002173613	A1	20021121	US 2001-825795	20010404
US 6534614	B2	20030318		
JP 2002322283	A	20021108	JP 2002-101966	20020404
PRIORITY APPLN. INFO.:			US 2001-825795 A	20010404

OTHER SOURCE(S): MARPAT 137:279640

AB A process for preparing linear organohydrogensiloxanes comprises contacting an organohydrogendichlorosilane in the presence of trimethylchlorosilane with water to form an M-stopped hydrolyzate. The hydrolyzate is optionally preheated prior to being contacted with an acidic rearrangement catalyst to effect formation of linear organohydrogensiloxanes. The linear organohydrogensiloxanes are separated from cyclic organohydrogensiloxanes and recovered. The cyclic organohydrogensiloxanes may then be recycled to the process for further contact with the acidic rearrangement catalyst for maximum overall conversion rate.

L1 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2000:830159 CAPLUS
DOCUMENT NUMBER: 134:5252
TITLE: Method for manufacturing partially hydrosilylated cyclic organohydrogensiloxanes with high yield
INVENTOR(S): Sato, Shinichi
PATENT ASSIGNEE(S): Shin-Etsu Chemical Industry Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 5 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2000327782	A	20001128	JP 1999-138774	19990519
JP 3651572	B2	20050525		
US 6303729	B1	20011016	US 2000-572966	20000518
PRIORITY APPLN. INFO.:			JP 1999-138774 A	19990519

OTHER SOURCE(S): MARPAT 134:5252

AB The method comprises mixing cyclic organohydrogensiloxanes (A, containing ≥2 Si-H bonds) and cyclic or acyclic organic compds. (B, containing aliphatic unsatd. double bonds) at excess molar ratio of A to B, reacting the mixts. in the presence of Pt catalysts, adding silylating agents, and evaporating Thus, 4000 g

1,3,5,7-tetramethylcyclotetrasiloxane was reacted with 3072 g C8F17CH2CH:CH2 in the presence of Pt-ethylene complex and 50 g bissilylacetamide and evaporated to give a product with b.p. 107-109°/2 mmHg, refractive index 1.353 at 25°, and yield 72.8%.

L1 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1999:556755 CAPLUS
DOCUMENT NUMBER: 131:185397
TITLE: Preparation of linear organohydrogensiloxane oligomers having specific degree of polymerization
INVENTOR(S): Murakami, Nobuhito
PATENT ASSIGNEE(S): Toshiba Silicone Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 8 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 11236389	A	19990831	JP 1998-40193	19980223

PRIORITY APPLN. INFO.: JP 1998-40193 19980223

AB Linear organohydrogensiloxane oligomer having specific d.p. (e.g., 1,1,1,3,5,5,5-heptamethyltrisiloxane) is prepared with good selectivity and in high yield by (1) mixing a linear organohydrogensiloxane oligomer having triorganosiloxy unit, and a cyclic organohydrogensiloxane oligomer and/or a polyorganohydrogensiloxane having higher degree of polymerization than the specified organohydrogensiloxane oligomer; (2) adding a linear halogenated phosphonitrile compound into the polysiloxane mixture and equilibrium converts reacts; (3) deactivating the linear halogenated phosphonitrile compound; and (4) recovering the obtained linear organohydrogensiloxane oligomer.

L1 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1995:695988 CAPLUS
DOCUMENT NUMBER: 123:56949
TITLE: Process and acidic rearrangement catalysts for preparing cyclic organohydrogensiloxanes
INVENTOR(S): Haines, Gregory R.; Puckett, David E.; Wood, Larry H.
PATENT ASSIGNEE(S): Dow Corning Corporation, USA
SOURCE: U.S., 5 pp.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5395956	A	19950307	US 1994-270566	19940705
EP 694554	A2	19960131	EP 1995-304604	19950629
EP 694554	A3	19990609		
EP 694554	B1	20030219		
R: DE, FR, GB				
JP 08109187	A	19960430	JP 1995-168810	19950704
JP 3662634	B2	20050622		

PRIORITY APPLN. INFO.: US 1994-270566 A 19940705
OTHER SOURCE(S): MARPAT 123:56949

AB The title process comprises contacting an organohydrogendichlorosilane with about a stoichiometric equivalent of water to form a hydrolyzate. The

hydrolyzate is diluted in an inert solvent and contacted with an acidic rearrangement catalyst to effect formation of cyclic organohydrogensiloxanes. The cyclic organohydrogensiloxanes are separated from inert solvent and linear organohydrogensiloxanes. The inert solvent and linear organohydrogensiloxanes are then recycled to the process for further contact with the acidic rearrangement catalyst.